

Patent claims

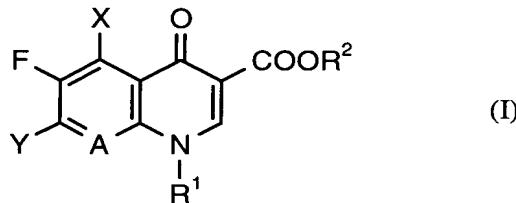
1. Use of

a) 8-cyanoquinolone antibiotics or

5 b) quinolone antibiotics selected from the group consisting of: garenoxacin, marbofloxacin, ibafloxacin, danofloxacin, difloxacin and orbifloxacin

for preparing medicaments for the systemic treatment of bacterial infections of the oral cavity.

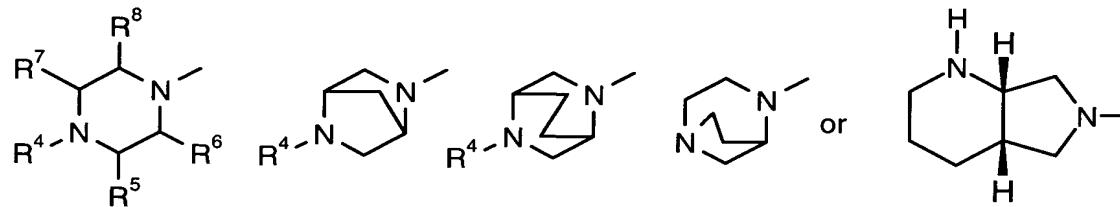
2. Use according to Claim 1 of 8-cyanoquinolone antibiotics of the formula (I):



10 in which

X represents hydrogen, halogen, C₁₋₄-alkyl, C₁₋₄-alkoxy, NH₂,

Y represents radicals of the structure



15 in which

R⁴ represents optionally hydroxyl- or methoxy-substituted straight-chain or branched C₁₋₄-alkyl, cyclopropyl, acyl having 1 to 3 carbon atoms,

R⁵ represents hydrogen, methyl, phenyl, thiienyl or pyridyl,

R⁶ represents hydrogen or C₁₋₄-alkyl,

20 R⁷ represents hydrogen or C₁₋₄-alkyl,

R^8 represents hydrogen or C_{1-4} -alkyl,

and

R^1 represents an alkyl radical having 1 to 3 carbon atoms, cyclopropyl, 2-fluoroethyl, methoxy, 4-fluorophenyl, 2,4-difluorophenyl or methylamino,

5 R^2 represents hydrogen or optionally methoxy- or 2-methoxyethoxy-substituted alkyl having 1 to 6 carbon atoms and also cyclohexyl, benzyl, 2-oxopropyl, phenacyl, ethoxycarbonylmethyl, pivaloyloxymethyl,

A represents $=C(CN)$,

and their pharmaceutically acceptable salts and hydrates.

10 3. Use according to Claim 1 where the 8-cyanoquinolone antibiotic is Pradofloxacin.

4. Use according to Claim 1 for treating gingivitis, stomatitis, parodontitis and/or abscesses of the oral cavity.

5. Use according to Claim 1 where the disorders are mainly caused by bacteria of the group consisting of *Porphyromonas* spp., *Prevotella* spp., *Bacteroides* spp., *Actinobacillus actinomycetemcomitans*, *Fusobacterium* spp., *Peptostreptococcus* spp., *Eikenella corrodens*, *Capnocytophaga ochracea*, *Campylobacter rectus*.

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